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## (12) United States Patent

### Lauermann

4,689,107 A

4,767,297 A

4,775,442 A

5,029,552 A

5,230,608 A

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(54)	DRYWALL TAPE AND COMPOUND APPLICATOR						
(76)	Inventor:	William C. Lauermann, 6538 Ayres Lane Rd., Snow Hill, MD (US) 21863					
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(56)	References Cited						

U.S. PATENT DOCUMENTS

8/1987 Entwistle ...... 156/465

8/1988 Mower et al. ..... 425/87

10/1988 Januska ...... 156/575

7/1991 Ovens ...... 118/419

5,263,836 A	*	11/1993	Tinawong 425/87
5,279,700 A		1/1994	Retti 156/578
5,419,693 A	*	5/1995	MacMillan 425/87
5,423,666 A	*	6/1995	MacMillan 425/87
5,622,729 A	*	4/1997	Mower 425/87
5,676,793 A		10/1997	Martin et al 156/578
5,695,788 A	計	12/1997	Woods 425/87
5,730,819 A		3/1998	Retti 156/71
5,736,001 A		4/1998	Samuelson 156/575
6,155,809 A	*	12/2000	Edwards et al 425/87

<sup>\*</sup> cited by examiner

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### (57) ABSTRACT

A strip of drywall tape is simultaneously coated on its opposite front and rear surfaces as the tape is applied to a corner joint formed between a pair of abutting wall boards such as drywall panels. A tape guide provided on a drywall taping head guides a folded strip of drywall tape over a first reservoir of flowing drywall compound. The compound flows through the first reservoir and against the V-shaped front surface of the tape. The compound continues to flow over and around the front surface and over the rear surface of the tape and laterally into a pair of secondary reservoirs.

### 20 Claims, 3 Drawing Sheets

